

Data Table

Time (Seconds)	Hot Water Petri Dish (Number of Squares Traveled)	Cold Water Petri Dish (Number of Squares Traveled)
0	1	1
10	1.2	1.5
20	1.5	1.8
30	2	2.1
40	2.2	2.2
50	2.5	2.4
60	2.8	2.5
70	3	2.7
80	3.1	2.9
90	3.5	3
100	3.7	3.1
110	4	3.2
120	4	3.5

Questions and Conclusions:

1. Compare and contrast your observations between the hot and cold Petri dishes. *They spread in different formations. In hot, the color spread faster & further. at 1st, they were spreading @ about the same.*

2. Explain the differences you observed.

<p><u>H</u></p> <p>- spread quickly</p> <p>- concentric spread</p> <p>- shape of oval</p>	<p><u>C</u></p> <p>- spread not as quickly</p> <p>- towards the end it stopped</p> <p>- shape of circle</p>
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3. How does this lab relate to diffusion?

It shows how things spread based on temp. from high concentration to low concentration